

SEQUENCE LISTING

<110> Evotec NeuroSciences GmbH  
Von der Kammer, Heinz  
Pohlner, Johannes

<120> Diagnostic and therapeutic use of TB2 gene and protein  
for neurodegenerative diseases

<130> 2335.0040001

<140> 10/520,065  
<141> 2003-07-04

<150> PCT/EP2003/007173  
<151> 2003-07-04

<160> 14

<170> PatentIn Ver. 2.1

<210> 1  
<211> 185  
<212> PRT  
<213> Homo sapiens

<400> 1  
Met Arg Glu Arg Phe Asp Arg Phe Leu His Glu Lys Asn Cys Met Thr  
1 5 10 15

Asp Leu Leu Ala Lys Leu Glu Ala Lys Thr Gly Val Asn Arg Ser Phe  
20 25 30

Ile Ala Leu Gly Val Ile Gly Leu Val Ala Leu Tyr Leu Val Phe Gly  
35 40 45

Tyr Gly Ala Ser Leu Leu Cys Asn Leu Ile Phe Gly Gly Tyr Pro Ala  
50 55 60

Tyr Ile Ser Ile Lys Ala Ile Glu Ser Pro Asn Lys Glu Asp Asp Thr  
65 70 75 80

Gln Trp Leu Thr Tyr Trp Val Val Tyr Gly Val Phe Ser Ile Ala Glu  
85 90 95

Phe Phe Ser Asp Ile Phe Leu Ser Trp Phe Pro Phe Tyr Tyr Met Leu  
100 105 110

Lys Cys Gly Phe Leu Leu Trp Cys Met Ala Pro Ser Pro Ser Asn Gly  
115 120 125

Ala Glu Leu Leu Tyr Lys Arg Ile Ile Arg Pro Phe Phe Leu Lys His  
130 135 140

Glu Ser Gln Met Asp Ser Val Val Lys Asp Leu Lys Asp Lys Ser Lys  
145 150 155 160

Glu Thr Ala Asp Ala Ile Thr Lys Glu Ala Lys Lys Ala Thr Val Asn  
165 170 175

Leu Leu Gly Glu Lys Lys Ser Thr

180

185

```

<210> 2
<211> 461
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:nucleotide
      sequence of a human TB2 cDNA fragmente

<400> 2
acctggatgtt cggttatggg gcctctctcc tctgcacacct gataggattt ggctacccag 60
cctacatctc aattaaagct atagagagtc ccaacaaaaga agatgataacc cagtggctga 120
cctactgggt agtgtatggt gtgttcagca ttgctgaatt ctctctgtat atttccctgt 180
catggttccc cttctactac atgctgaagt gtggcttcct gttgtgggtc atggccccga 240
gccttctaat ggggctgaac tgctctacaa ggcgcatttc cggccttct tcctgaagca 300
cgagtcccaag atggacagtg tggtaagga ccttaaagac aaggccaaag agactgcaga 360
tgccatcaact aaagaagcga agaaaagctac cgtgaattta ctgggtgaag aaaagaagag 420
cacctaaacc agactggatg gaaacttcct gccctctctg t 461

<210> 3
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer for the
      human TB2 gene

<400> 3
cgagtcccaag atggacagtg t 21

<210> 4
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer for the
      human TB2 gene

<400> 4
gtgatggcat ctgcagtctc tt 22

<210> 5
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:primer for the
      human cyclophilin B gene

<400> 5
actgaaggcac tacgggcctg 20

```

<210> 6  
<211> 19  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:primer for the  
human cyclophilin B gene

<400> 6  
agccgttggt gtctttgcc

19

<210> 7  
<211> 20  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:primer for the  
human ribosomal protein S9 gene

<400> 7  
ggtcaaattt accctggcca

20

<210> 8  
<211> 22  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:primer for the  
human ribosomal protein S9 gene

<400> 8  
tctcatcaag cgtcagcagt tc

22

<210> 9  
<211> 19  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:primer for the  
human beta-actin gene

<400> 9  
tggaacggtg aaggtgaca

19

<210> 10  
<211> 19  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:primer for the  
human beta-actin gene

<400> 10  
ggcaagggaç ttcctgtaa 19

<210> 11  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer for the  
human GAPDH gene

<400> 11  
cgtcatgggt gtgaaccatg 20

<210> 12  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer for the  
human GAPDH gene

<400> 12  
gctaaggcagt tggtggtgca g 21

<210> 13  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer for the  
human transferrin receptor TRR gene

<400> 13  
gtcgctggtc agttcgtat t 21

<210> 14  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:primer for the  
human transferrin receptor TRR gene

<400> 14  
agcagttggc tgttgtacct ctc 23